

## A Phylogeny for mtDNA Haplogroup J.

(Version 7, 27 October 2009)

Polymorphism Used in Devinition of Clades of mtDNA Haplogroup J									
Version 7, J. J. "Jim" Logan, 28 October 2009									
Note: Beginning with Release 7, the J1c1 and J1c2 clades have been interchanged from previous releases.									
This is a nomenclature change only and does not effect any other clades. This change is in recognition of use of 482 and 2294 to define J1c1 by M. Palanichamy, et. al. in the <i>Am. J. Hum. Genet.</i> 75:966-978, 2004 .									
	R	A73G, A263G, 315.1C, A750G, A1438G, A2706G, A4769G, C7028T, A8860G, G11719A, C14766T, A15326G							
		JT	T4216C, A11251G, C15452A, T16126C						
326		J	C295T, T489C, A10398G, A12612G, G13708A, C16069T						
257		J1	C462T, G3010A						
43		J1b.	G8269A, (C16222T), G16145A, C16261T						
37		J1b1	G5460A, T13879C						
28		J1b1a	C242T, T2158C, G8557A, (G12007A), T16172C						
8		J1b1a1	T15067C						
2		J1b1a1a	C264T, T8286C, 8287.1C						
7		J1b1a2	C5463T, T6911C, C16192T						
6		J1b1b	C271T						
5		J1b1b1	C522d, A523d, 10410A, C16222@,						
2		J1b1b1a	A2707C, C16290T						
2		J1b1b1b	T7270C						
7		J1b2	C1733T						
4		J1b2a	T6719C, A14927G						
2		J1b3	A8460G, A16235G, T16271C						
204		J1c	(G185A), (G228A), T14798C						
32		J1c1	T482C, T3394C						
10		J1c1a	A9635C, C11623T, T13899C						
12		J1c1b	A7184G						
7		J1c1b1	G5773A						
4		J1c1b1a	T10463C						
2		J1c1b1b	A5411G, G13368A, T14200C						
2		J1c1c	T10454C, T16368C						
60		J1c2	A188G						
7		J1c2a	T6293C						
2		J1c2a1	A7245G, G8839A						
2		J1c2a2	A4790G, G15043A						
4		J1c2b	T4454C						
13		J1c2c	G10685A, T13281C, A13933G						
5		J1c2c1	C222T						
3		J1c2c2	G8865A						
4		J1c2d	A13032G, T14325C						
3		J1c2e	C16366T						
34		J1c3	C13934T						
7		J1c3a	G9548A						
4		J1c3a1	T7711C						
3		J1c3a2	T9836C						
7		J1c3b	C15367T						
5		J1c3b1	G5237A, G6261A						

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3					J1c3c	A2706@			
2					J1c3d	A1811G			
12					J1c4	A9632G, T12083G			
3					J1c4a	G11778A, G11914A			
4					J1c4b	A9120G			
17					J1c5	A5198G			
5					J1c5a	T2387C, C10192T			
4					J1c5a1	A10598G			
3					J1c5b	T11087C			
2					J1c5b1	T6681C, C12239T			
7					J1c6	C4025T			
13					J1c7	C6554T, G12127A			
11					J1c7a	C6464A, A13681G			
10					J1c8	T10084C			
4					J1c8a	A10398@			
2					J1c8b	A9052G			
2					J1c9	C6887T			
6				J1d	<b><u>T152C</u></b> , <b><u>C522d</u></b> , <b><u>A523d</u></b> , G7789A, A7963G, <b><u>C16193T</u></b>				
2				J1d1	A16300G				
2				J1d2	T689C, G9123A, T10166C, G14040A, A14280G				
67			J2	<b><u>(C150T)</u></b> , <b><u>T152C</u></b> , C7476T, G15257A					
28			J2a	<b><u>T195C</u></b> , A10499G, G11377A					
24			J2a1	<b><u>(A215G)</u></b> , G7789A, (A13722G), A14133G, T16231C, <b><u>G16145A</u></b> , <b><u>C16261T</u></b>					
19			J2a1a	<b><u>T319C</u></b> (Unresolved Reticulation)					
4			J2a2	T6671C, <b><u>A11002G</u></b> , A12570G, A15679G					
3			J2a2a	C8386T					
39			J2b	C5633T, G10172A, G15812A, <b><u>C16193T</u></b>					
29			J2b1	<b><u>C16278T</u></b>					
8			J2b1a	G14569A					
4			J2b1a1	C5228G					
2			J2b1a2	A14405G					
4			J2b1b	T6216C					
2			J2b1b1	A3348G					
2			J2b1c	T199C					
3			J2b2	T2404C, G6962T, T10389C					
2			J2b2a	G7211A					